

SECTION C Descriptions and Specifications

STATEMENT OF WORK

1.0 SCOPE

Contractor shall provide engineering and technical support services to accomplish the following work as notified and scheduled by the NSWCCD-SSES Project Engineer or Code 9635, via official delivery order. The program office shall notify the contractor via PHONECON at least 48 hours in advance of travel requirements.

2.0 APPLICABLE DOCUMENTS

- a. NAVSEAINST 3960 Policy and Procedure for Implementation on HM&E Equipment and Systems.
- b. DOD-STD-480 Configuration Control, Engineering Changes, Deviation and Waivers
- c. MIL-STD-490 Specifications Practices
- d. General Specifications for Ships

3.0 REQUIREMENTS

3.1 TASK

a. Perform data gathering and engineering analysis of AN/USQ-82(V) Data Multiplex System (DMS)/Fiber Optic Data Multiplex System (FODMS) equipment operation under DDG class ships or other Surface Combatants shipboard, dockside and at sea operation conditions to generate and provide recommended technical solutions in response to technical problems.

b. Provide services to install, test and evaluate DMS/FODMS equipment engineering changes and as required by the NSWCCD-SSES DMS/FODMS ISE.

c. Assist in analyzing training-related problems presented in the fleet with the AN/USQ-82 (V) and recommend, prepare, and review corrections to training materials.

d. Provide technical evaluation, troubleshooting and repair of AN/USQ-82 (V) equipment to resolve technical problems beyond ships force capabilities.

e. Provide technical logistics review of engineering drawings, circuit schematics, and technical manuals to assure technical accuracy.

4.0 DELIVERABLES: The below deliverables will be identified under any resulting order, as per the applicable DD 1423. In addition, any other technical data shall also be identified under the delivery order's applicable DD 1423.

1. AN/USQ-82 (V) revision planning, scheduling, design changes and evaluation documentation reports within the report period. To be included in the monthly status report.

2. Technical data and resolution documentation to support preliminary and critical design reviews. To be included in the monthly status report.

3. ILS documentation/products and review comments. To be included in the monthly status report.

4. Training issues, assessment or meeting/conference summaries for events occurring within the report period. To be included in the monthly status report.

5. Monthly Status Reports shall be submitted to include funding balance and percent work completed.

5.0 SCHEDULE

Period of performance shall be for five (5) years.

6.0 GOVERNMENT FURNISHED MATERIAL/INFORMATION

The government shall provide as Government Furnished Property technical manuals, drawings, reports and data as required to perform the appropriate areas of the statement of work.

7.0 CONTRACTOR FURNISHED MATERIAL (CFM)

None.

8.0 CLASSIFIED MATERIAL

Up to and including SECRET, as per the attached DD254.

9.0 TRAVEL REQUIREMENTS

It is anticipated that the following travel requirements will be necessary to the following locations during the performance of this contract. Additional travel to other locations not mentioned here might also be required to support emergent ship visits. NSWCCD-SSES will notify contractor of ship locations and schedule availability 48 hours in advance of any travel requirements.

Anaheim, CA
Everett, WA
Norfolk, VA
Bath, ME
Jacksonville, FL
Pascagoula, MS
San Diego, CA
Puerto Rico, San Juan
Pearl Harbor, HI
Philadelphia, PA
Yokosuka, Japan

10.0 PERSONNEL RESOURCES

The specialized experience included, as part of the required qualifications shall have been obtained in the fields of endeavor indicated in the applicable labor categories listed below. Key personnel labor categories are Program Manager, Senior Engineering Technician, and Senior Engineer.

(1) PROGRAM MANAGER

a. A minimum of a Bachelor of Arts (BA) degree from an accredited four year college or university in business management. A minimum of five years of program management experience associated with a military electronics system, preferably with the AN/USQ-82 (V) Data Multiplex System (DMS)/Fiber Optic Data Multiplex System (FODMS). A working knowledge of the Department of the Navy organizational infrastructure and the support functions of Navy In-Service Engineering Agents (ISEAs) is necessary. An understanding of the requirements needed to perform work on Navy vessels and in commercial shipyards is also needed. This is considered a Key Personnel category. One (1) resume is to be submitted for evaluation.

(2) SENIOR ENGINEERING TECHNICIAN

a. Must be a graduate of High School, trade or industrial school with credits received in math & science. A minimum of five years experience working on the AN/USQ-82 (V) Data Multiplex System (DMS)/Fiber Optic Data Multiplex System (FODMS), with an emphasis on the configuration, maintenance, testing and troubleshooting of DMS/FODMS and its associated network user systems is required. Must be proficient using general electronic test equipment such as logic analyzers and oscilloscopes, and must be able to operate specialized network and network interface test equipment. Applicable military experience is acceptable. This is considered a Key Personnel category. Two (2) resumes are to be submitted for technical evaluation.

(3) SENIOR ENGINEER

a. Must have a Bachelor of Science (BS) degree from an accredited four year college or university in any of the following fields of study: (a) Electrical Engineering; (b) Electrical Engineering Technology; (c) Computer Sciences; (d) Information Sciences. Must have a minimum of ten years experience working in any of the following areas related to network engineering: (a) electronics hardware design, integration and troubleshooting; (b) software/firmware design, testing & evaluation; (c) systems engineering; (d) network user system integration, with a strong preference on DMS/FODMS-related support. This is considered a Key Personnel category. Four (4) resumes are to be submitted for technical evaluation.

(4) LOGISTICS ENGINEER

a. Successful completion of the equivalent to a formal course in logistics management, business logistics, industrial management, marketing or other equivalent closely related field, that is equivalent to three college or university semester hours. Three years experience in coordinating the logistical support activities of either military or commercial electronics systems or equipment, with a preference for DMS/FODMS-related work experience.

(5) PROGRAM CONTROL

a. Must have a Bachelor of Arts (BA) degree from an accredited four year college or university in any of the following fields of study: business management, financial management, cost analysis, or accounting. Five years experience in coordinating the financial support activities of either military or commercial electronics systems or equipment, with a preference for DMS/FODMS-related work experience.

(6) CONTRACT ADMINISTRATION

a. Successful completion of formal courses in contract administration with a minimum of five years experience in coordinating all aspects of business contracts, including contract proposals, contract pricing, contract negotiation, contract administration, contract modification and contract closeout is necessary. Experience coordinating contracts for either military or commercial electronics systems companies is preferred. An understanding and working knowledge of Defense Contract Management Command activities and purpose is also preferred.

(7) PRODUCTION ADMINISTRATION

a. Successful completion of formal coursework in production administration with a minimum of five years experience in coordinating all aspects of production operations, including material requirements planning, project oversight, scheduling, repair & modification and budgeting. Five years experience in coordinating production operations of either military or commercial electronics systems or equipment, with a preference for DMS/FODMS-related work experience is necessary.

(8) PRODUCTION SUPPORT

a. Successful completion of formal courses related to the repair and modification of electronics systems and associated equipment. Five years experience performing repair and modification work on electronics systems, with a strong preference for having worked on DMS/FODMS equipment.

11.0 Key Personnel

Resumes are required for all key personnel. Resumes for non-key personnel are not required, although those personnel shall be priced in the cost proposal. Statements on the experience of these non-key personnel shall be provided which indicate such personnel meet the stated qualifications. The following number of resumes indicated below shall be provided for each labor category identified as key personnel.

12.0 Substitution of Key Personnel

The following employees are identified as key personnel:

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|-----------------------|---|--------------------|
| a. Program Manager | - | 1 resume required |
| b. Senior Engrg. Tech | - | 2 resumes required |
| c. Senior Engineer | - | 4 resumes required |

13.0 Location Requirements

The contractor is required to provide a one (1) full-time representative on-site at each of the following locations:

Norfolk Naval Shipyard
San Diego Shipyard